No Human Required?

The Changing World Order: *A Look at the Autonomous Revolution, Machines and Life Lived.*

Who is this Guy?

Hi, I'm Richard

The **Challenge of Technology** in every age begs the question, "*How should we live our journey in life?*" The one question that we all must grapple with, no matter our background, is how we *observe, discern, judge, and act* in a manner that brings about the *greater good* for the *common good of everyone on this planet.*

As a *Cultural Historian of society and technology,….*

I focus on those moments, *patterns*, and events that changed how civilization evolved and *will touch* our lives and hopefully present *"AHA"* moments: *Society, Culture, Religions, Theology, Philosophy, Policy/Government, and Emerging Technology* have altered how we live and, *most importantly, how we behave as human beings. We have experienced two cultural revolutions: The Agricultural and Industrial. We are entering the third, the* **Autonomous Revolution.**

The KEY to remember is that Culture is always in the room.

The Good, the Bad, *and* the Ugly

"Our bodies, brains, senses, and minds evolved over billions of years to create a species superbly adapted for survival in the physical environment. But when we venture into virtual space we face an alien environment." ~ Bill Davidow

ܠܥܘ ܘܛܟܚ... ܒܩܘ ܘܐܪܟ ܐܪܟܡ ܕܢܝ ܐܠܘܡܐ

דרשו ותמצאו, ובקשו את ממלכת ה' תחילה

Ζητεῖτε, καὶ εὑρήσετε... ζητεῖτε πρῶτον τὴν βασιλείαν τοῦ Θεοῦ.
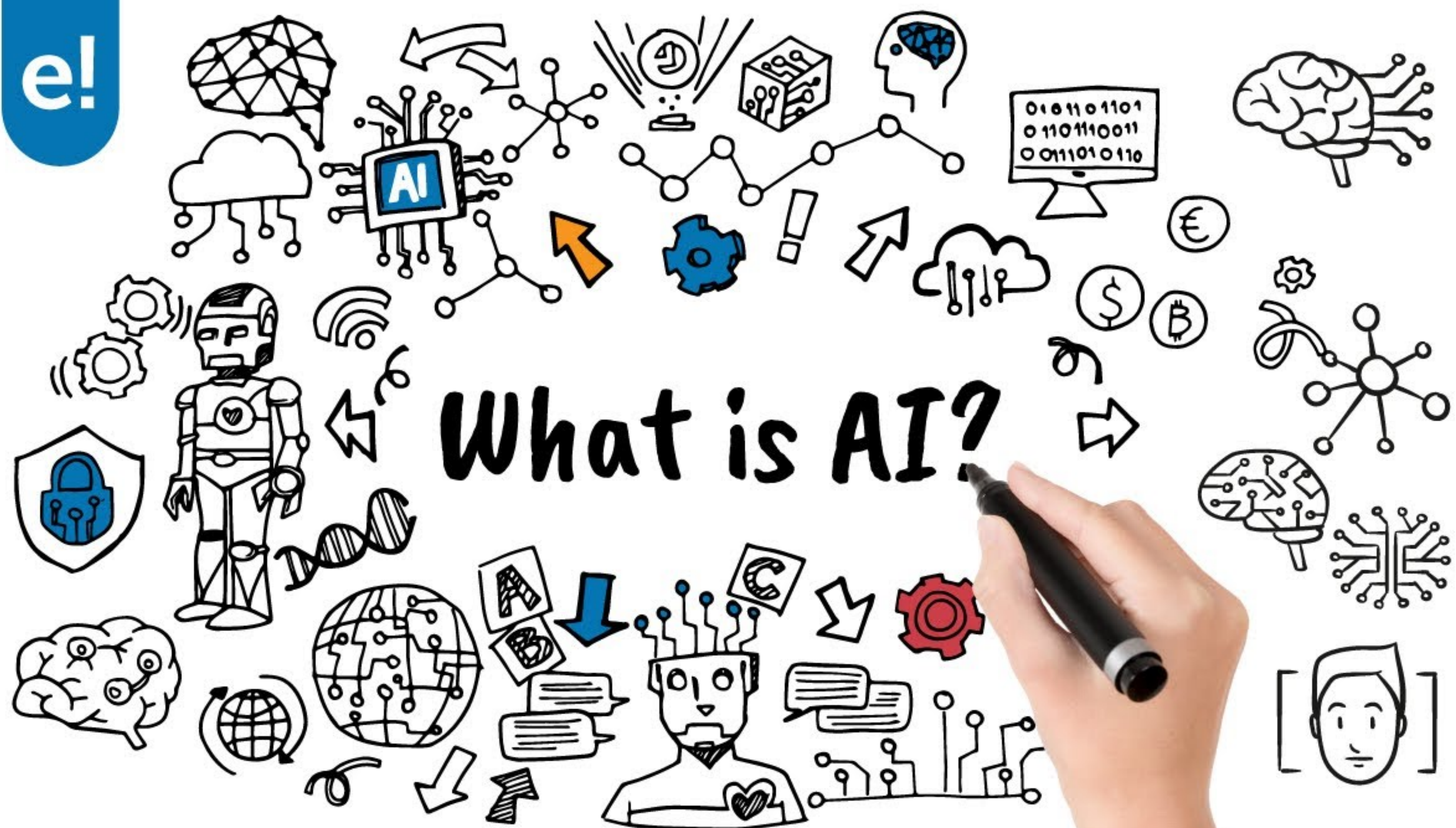
Ψάξτε, και θα βρείτε... Αναζητήστε πρώτα τη Βασιλεία του Θεού.

Quaerite et invenietis ... Quaerite primum regnum Dei—

Suchet und ir werdent finden... Suchet iu êrst daz Rich Got

Suchet, und ihr werdet finden... Suchet zuerst das Reich Gottes

Seek, and ye shall find... Seek ye first the Kingdom of God… (Luke 12:22).

What is AI?

– **What is AI or Artificial Intelligence?**

In computer science, an algorithm is a set of instructions to solve a problem or perform a computation or task. The term is named after Muhammad ibn Müsä al-Khwärizni (AD 780-850). In Latin, *he was known as Algorithm*.

In theory, AI is supposed to perform tasks that usually require human intelligence, such as visual perception, speech recognition, decision-making, and language translation.

NOTA BENE: *The critical distinction is that AI can multi-task, and humans can not*.

In the summer of 1955, *Marvin Minsky, Nathaniel Rochester, Claude Shannon, and John McCarthy* proposed a summer 'artificial intelligence' workshop at Dartmouth in the summer of 1956. It was hoped the workshop would bring in new ideas and make substantial progress on the AI understanding of cause/effect.

In a proposal to the Rockefeller Foundation, the team used what was apparently the first appearance of the phrase "artificial intelligence."

This team of scientists lumped issues and concerns into six buckets."

Digital Ethics

Human Purpose

The Creative Shift back to being Human

Becoming Superhuman?

Algorithms Vs Androrithms

How Computable are Humans?

What is Societal Phase Change?

The post-world-war IIchange era is an example of a phase of societal phase change.

A societal phase change is a moment of radical change in which society transitions from one phase to another.

Events or changes in external conditions can trigger these changes over a period of time.

Societal phase changes are similar to physical phase changes, which are transitions between states of matter.

Societal phase changes can be characterized by:

- *Institutions struggling*

- *The behavior of individuals changes collectively*

- *Individuals have an inclination to conform to each other*

- *Changes in cultural symbols, rules of behavior, social organizations, or value systems*

"Walter Reuther was being shown through the Ford Motor plant in Cleveland recently. A company official proudly pointed to some new automatically controlled machines and asked Reuther: "How are you going to collect union dues from these guys?" Reuther replied: "How are you going to get them to buy Fords?"

– Nov 1954 UAW-CIO conference report published in Jan. 1955

With a more in-depth look at AI, what questions about society and culture will AI change? Throughout the next hour, think about these Questions:

1. Could a computer be conscious in the same way as humans?
2. Is there anything you can do (*task-wise*) that a machine couldn't be programmed to do?
3. What are the similarities and differences between human and artificial intelligence? *And why is there that difference?*
4. What are the societal phase changes and economic effects of AI?
5. What societal principles should guide our use of AI? (*Think Greater Good*)
6. Is it likely that we'll create Robots (*with embedded artificial general intelligence*), (AGI), and would this pose an existential threat to humanity?

"*There's going to be a fundamental change in the global economy unlike anything we have had since the cavemen began bartering.*"

Arnold Baker,
Chief Economist,
Sandia National Laboratory

The first was the Agricultural Revolution

The second was the Industrial Revolution

Now we are in the *initial phase* of the beginning of
The Autonomous Revolution

An essential factor of the **Agricultural Revolution** was the invention of new tools and the advancement of old ones to improve the efficiency of agricultural operations and the new *horse-drawn threshers, grain and grass cutters, cultivators, rakes, and labor-saving corn shellers, seed drills.*

What Were the Most Important Inventions of the **Industrial Revolution?**

Among the most important inventions of the The first Industrial Revolution was *the steam engine, the spinning jenny, the cotton gin, and the telegraph. Electricity, Then came computers, the Internet, and software for productivity.* *(Murdoch Mysteries)*

For the third time in the history of humanity, global civilization is undergoing a *phase change*

The Good, The Bad, and The Ugly

Think Societal Phase Change

Who is being affected? Why are they affected? Who is driving the change? What determines the outcome? What determines the value of a human being? Is it your job? Your education? Or is it just being a human being?

The question becomes how we decide and then thrive.

According to the World Economic Forum, AI will replace 85 million jobs worldwide between 2025 and 2030.

However, the same report states that AI will create 97 million new jobs in that same timeframe.

2.4 million jobs in the US by 2030 will disappear or transform. The other significant shift in jobs to consider will be AI, which will reduce by a 1/3 of the hours humans regularly work. The other prediction is that work hours could be reduced by 50% by 2035.

The World Economic Forum (WEF) has approximately 2,000 member companies. The WEF's annual meeting is held in Davos, Switzerland at the end of January. The meeting brings together CEOs from the member companies
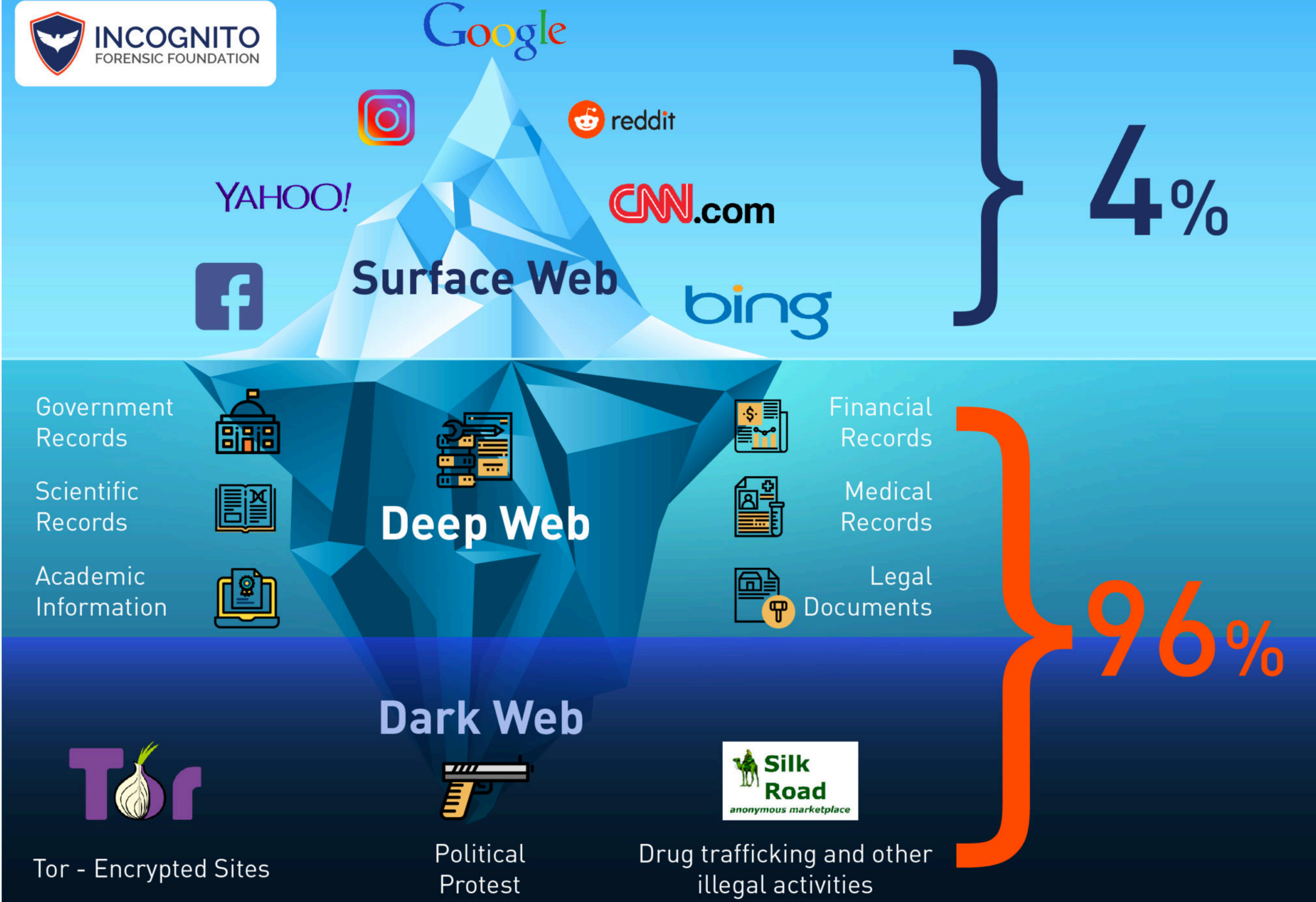
AI is more revolutionary than the internet.

It will change the way people *work, learn, travel, and communicate* with each other.

BUT

This technology IS the largest economic disruptor since 1908

The Panic of 1907 was a financial crisis that occurred between May 1907 and June 1908, coupled with the introduction of the Model T.

INCOGNITO FORENSIC FOUNDATION

Google

Instagram   reddit

YAHOO!   CNN.com

Facebook   **Surface Web**   bing

} 4%

Government Records

Scientific Records

Academic Information

Deep Web

Financial Records

Medical Records

Legal Documents

} 96%

Dark Web

Tor

Tor - Encrypted Sites

Political Protest

Silk Road
anonymous marketplace

Drug trafficking and other illegal activities

As we see the future, we act; as we act, we become!

"The problem is never how to get new, innovative thoughts into your mind, but how to get old ones out."

Dee Hock
Founder of VISA

If Someone from the 1950s suddenly appears to you, What would be The most difficult thing to explain to them about life today?

You carry that device near you right now in your pocket or purse; you may even take it to bed. You would explain how you can see pictures of loved ones, enemies, and videos of people not acting normal from your perspective without any hassles on the device.

You can translate any phrase you want in and to any language.

You can look up historical facts and find arguments pro and con for the facts/data points with people you have never met or even talked to.

ChatGPT is an AI-powered tool.
It was developed by OpenAI and launched in November 2022. ChatGPT uses GPT-4, a large language model with deep learning, to produce human-like text. In April 2023, it had 173 million users actively using the application daily.

ChatGPT's popularity has caused it to trend on Twitter, Facebook, Threads, etc., and even led to a brief crash of various sites. The versatility and *human-like quality* of its responses have captured the attention of the media, the tech industry, and some members of the public, especially law enforcement and regulators.

OpenAI projects that ChatGPT is on track to make $200 million in revenue this year, forecasting $1 billion in 2024. This doesn't include all the PLUGINS being developed by various other companies.

Tom Hanks Warns of Dental Ad Using A.I. Version of Him

Tom Hanks and the CBS anchor Gayle King both said their likenesses were used in unauthorized advertisements, as worries have grown over the unregulated use of artificial intelligence.

More significant to AI-generated works is the issue of **copyrightability**, or what copyright protects.

Copyright only protects original works by human creators. Under U.S. copyright law, copyright protection does not extend to **non-human creators**, which is an obvious problem for AI-generated works.

What is Machine Learning?

Machine Learning is a branch of artificial intelligence (AI) and computer science that focuses on using data and algorithms to imitate how humans learn, gradually improving its accuracy.

Artificial Intelligence has the potential to encode and exacerbate biases by reflecting the assumptions, interests, and world views of its developers and users. In addition, machine learning - currently the most common form of AI - looks for patterns in real-world examples ("training data"), which can lead to problems in multiple ways.
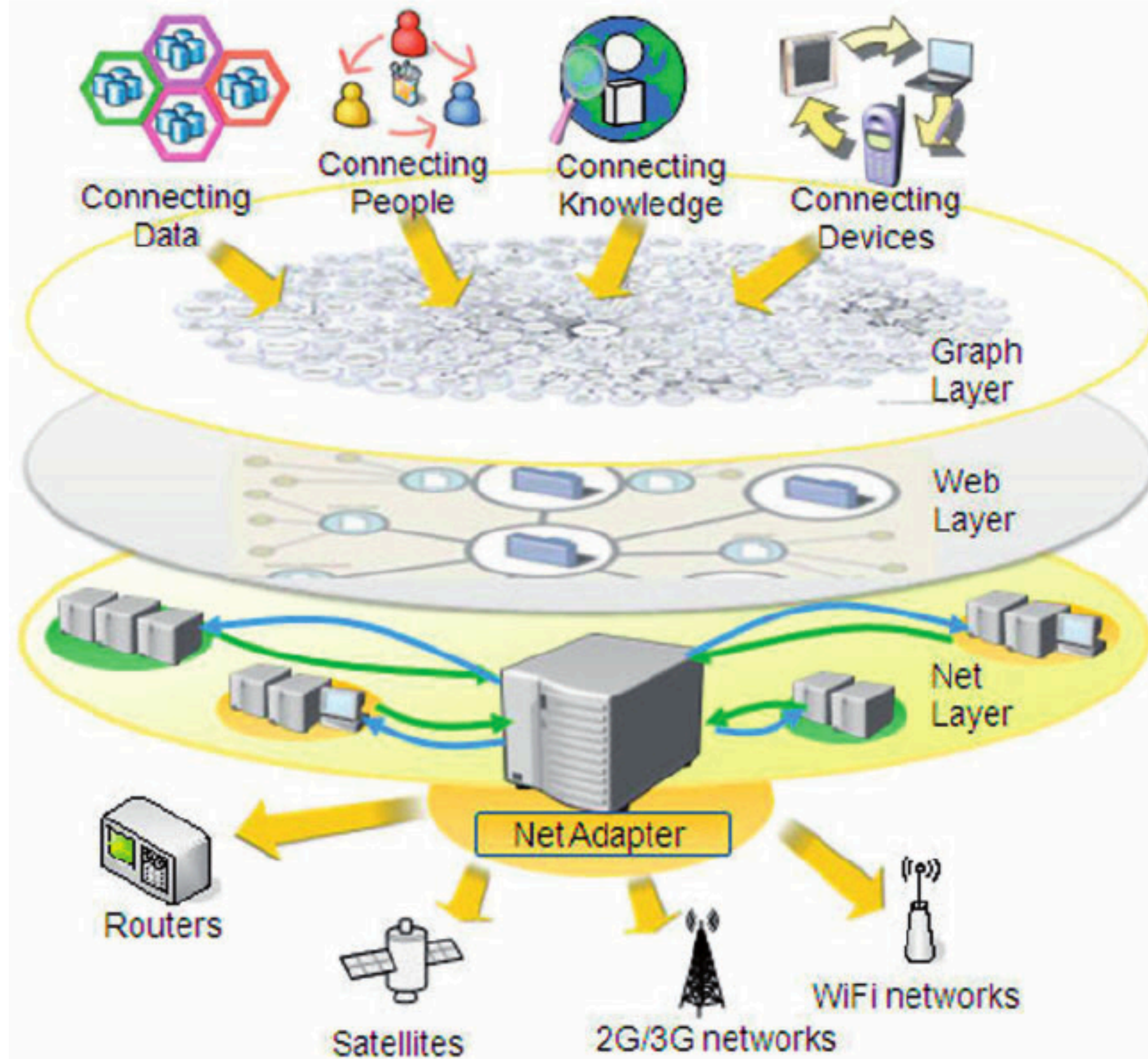
In the early days (*I am talking two years ago*) of facial recognition, People with darker skin tones were matched in a database of people with skin tones of white people, and the patterns were set to scan consistently on white people; for example, the training data may omit certain types of people or ethnicities gathered within a narrow cultural context.

Why AI is trial and error: In one instance, a tool designed to sharpen the blurry images of faces was found to turn people with darker skin tones white consistently. Another application turned them dark consistently.

"Artificial intelligence won't end civilization. Just the opposite. It is quite possibly the best thing human beings have ever created." ~ Marc Andreessen

Six technologies using AI that will impact Societal Phase Change:

1. 3D printing
2. Internet of Things
3. Autonomous Robotics
4. Wireless, aka satellite communications
5. Blockchain
6. Edge computing with *machine learning*

Connecting Data

Connecting People

Connecting Knowledge

Connecting Devices

Graph Layer

Web Layer

Net Layer

Net Adapter

Routers

Satellites

2G/3G networks

WiFi networks

Thanks to the recent advances in **Artificial Intelligence** (specifically ***Deep Learning***), generative models such as Dall-E2 (***DALL·E 2** is an **AI** system that can create realistic images and art from a description in natural language*) and **ChatGPT** (*powered by OpenAI*) can now produce unique images and texts with an uncanny human-like quality, often indistinguishable from what a human would have written.

The media, VCs, and institutional investors are abuzz with stories on ***Generative Artificial Intelligence.*** (GAI) Already utilized in customer service and content-writing areas, generative text-based AIs like ChatGPT seem poised to transform the web – and our society.
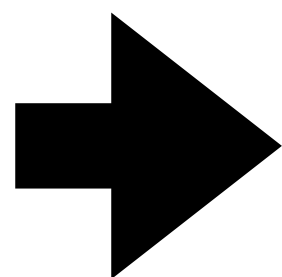
Old Media → New Media → Synthetic Media

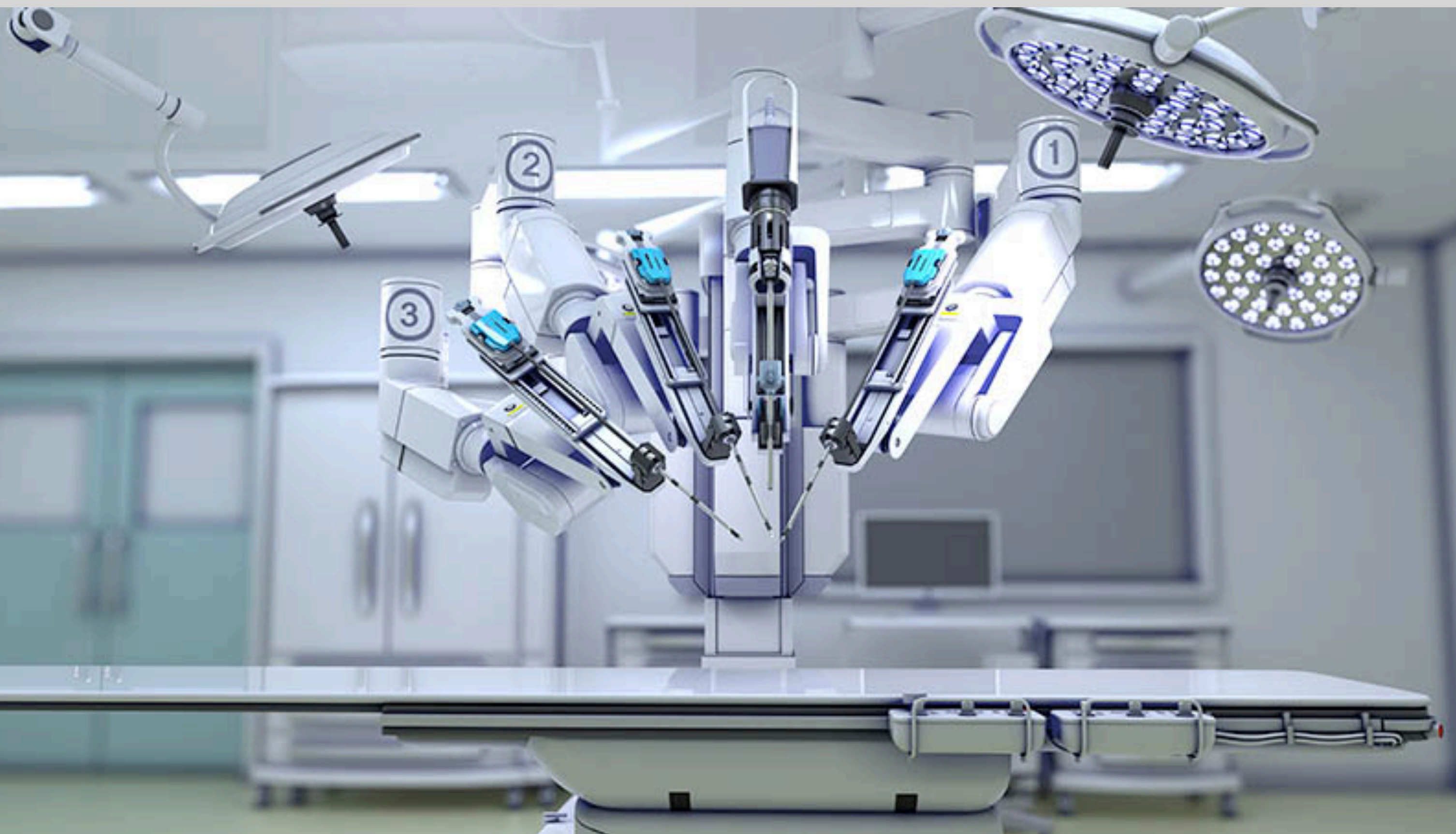https://phenaki.video/?mc_cid=9fee7eeb9d&mc_eid=f568038908#

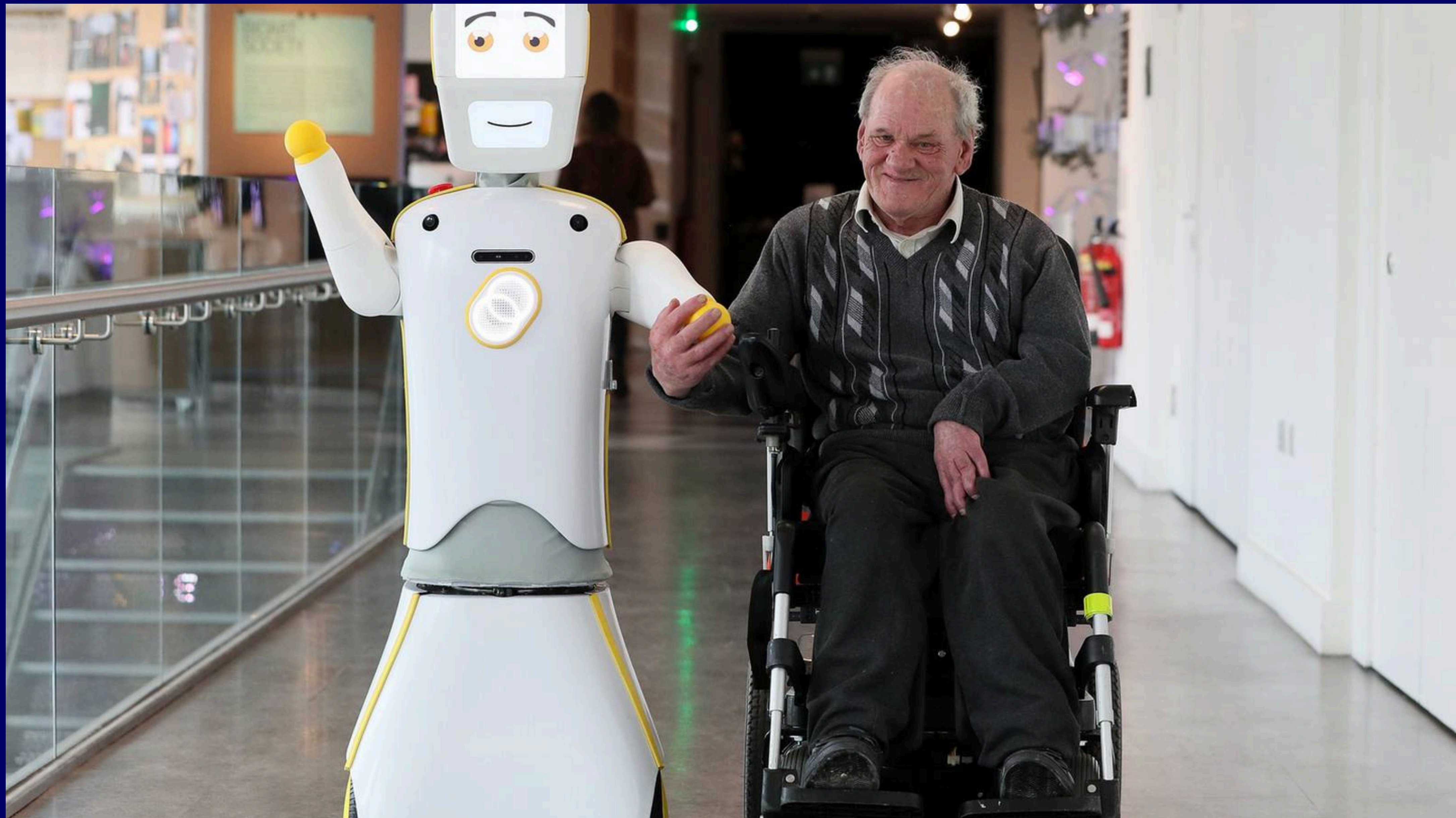The last forty years have moved quickly because of AI.

Think Societal Phase Change

The Impact of AI on Caring for the World, on Society, and the Greater Good with Technology

*Off the top of your head where do you see or think you experience
AI working for the greater good?*

Stevie II pictured with Brendan Crean, who helped trial the robot through the charity Alone, during a demonstration at the Science Gallery in Dublin. Photograph: Brian Lawless/PA Wire
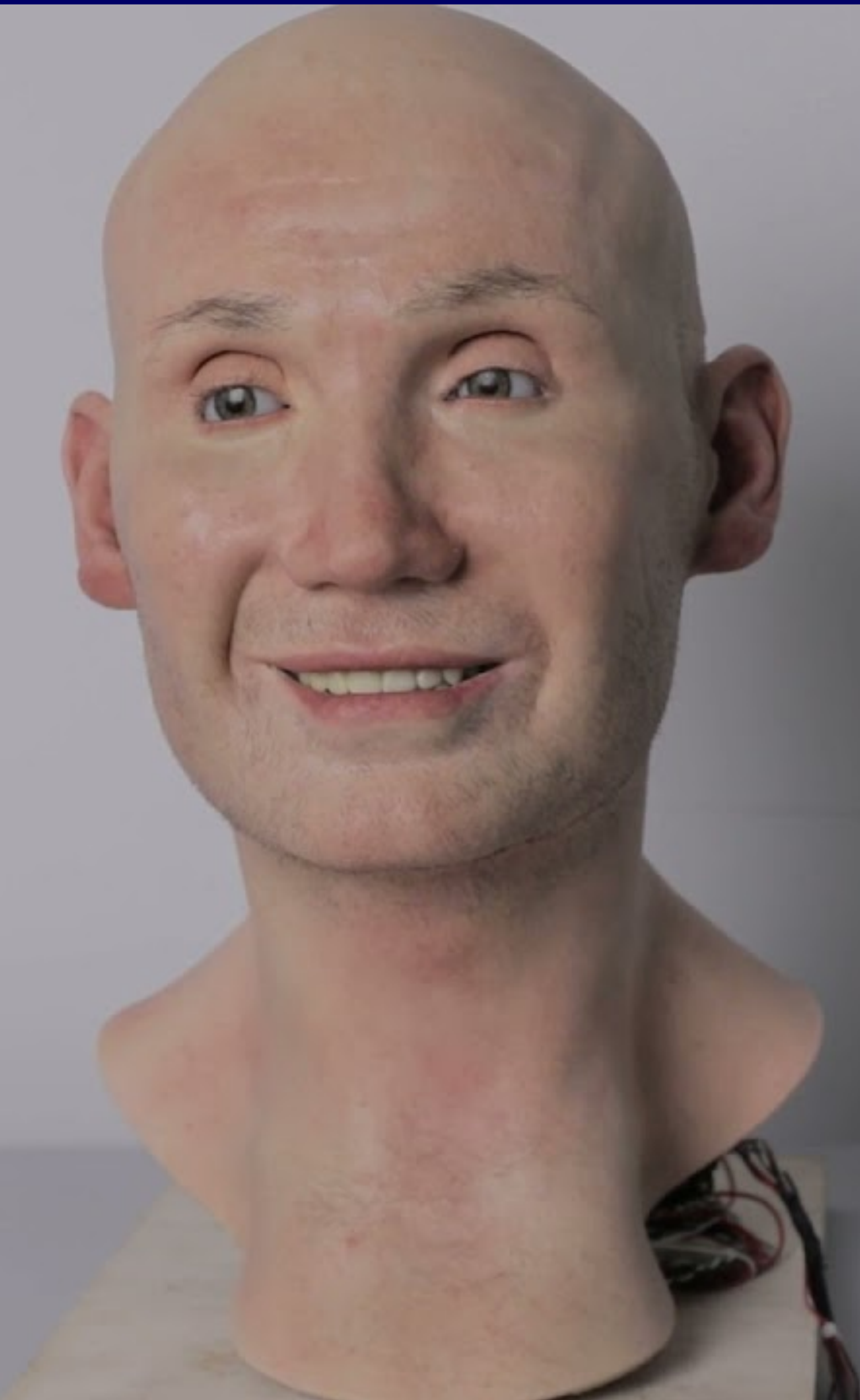
Hanson Robotics' created Sophia.

Sophia, a humanoid robot developed by Hanson Robotics, has at least nine robot-like "siblings." Sophia is known for her advanced AI and ability to mimic human facial expressions. She can emulate 62 facial expressions and uses machine-learning algorithms to learn how to communicate appropriately with humans.

We are on the cusp of a new era. As the power of artificial intelligence is unleashed, global industries are experiencing a transformation unlike any other — universities and companies are stepping forward to shape the future.

We, the humans living on this planet, need to take great leaps to unlock the benefits of artificial intelligence while ensuring that the technology is harnessed for the betterment of humanity.

To achieve this goal, creators and innovators must represent a diversity of thought and disciplines. *We must consider interdisciplinary research built upon a longstanding legacy of innovation, education, and collaboration.*

What is Sophia Robot doing now?

After selling NFT artwork for $688,888, now humanoid Sophia is eyeing a career in music. The robot is working on several works in a project called 'Sophia Pop'.

The Internet of Inhuman things, robots, bots, and artificial intelligence vs. Humanity

"The real question is not whether machines think but whether humans do. " — B.F. Skinner

When and how do humans make decisions?

- **People** refers to the well-being of individuals and communities. This includes their physical, mental, and social health and access to education, healthcare, and other essential services.
- **Planet** refers to the health of the environment. This includes the protection of natural resources and environmental health.
- **Purpose** refers to the reason why an organization or individual exists. It is what gives them meaning and motivation.
- **Prosperity** refers to the economic well-being of individuals and communities. This includes their ability to earn a living, build personal and societal wealth, and achieve their goals.
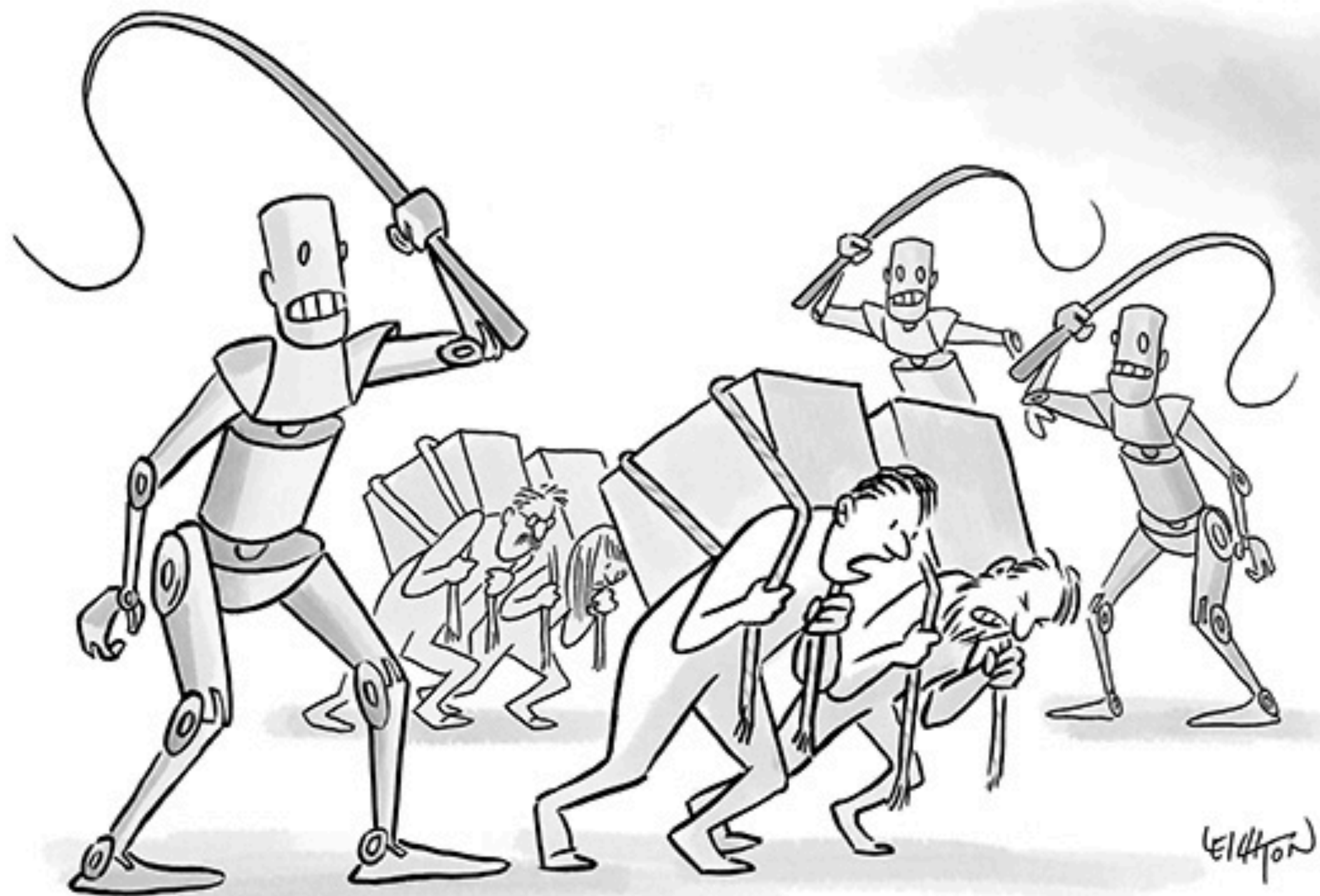
There are only Three ways a society creates Wealth

You Grow IT
You Mine IT
You Manufacture IT

What is *Next*?

What is our role?

"To think this all began with letting autocomplete finish our sentences."

Culture is a Source of Wisdom

- Culture has its limits, as it is a human construct.

- The culture of a secular society is a default frame of reference for those of us who live in it.

- Our *faith tradition* also has certain limits because it is carried in communities that share the cultural limits of their people.

- Religion is not divorced from culture, Religion is always in the room.

F~U~D

Perhaps more so than any other scientific discipline, *artificial intelligence* holds incredible potential to help bring about social good for humankind. *Assistive robots, video surveillance for home and commercial use, and advancements in health care* are just a few examples.

To say, *"We want AI to be used for the Good of humans,"*….Only you can determine the outcome. Where does it *"cross the line?"*
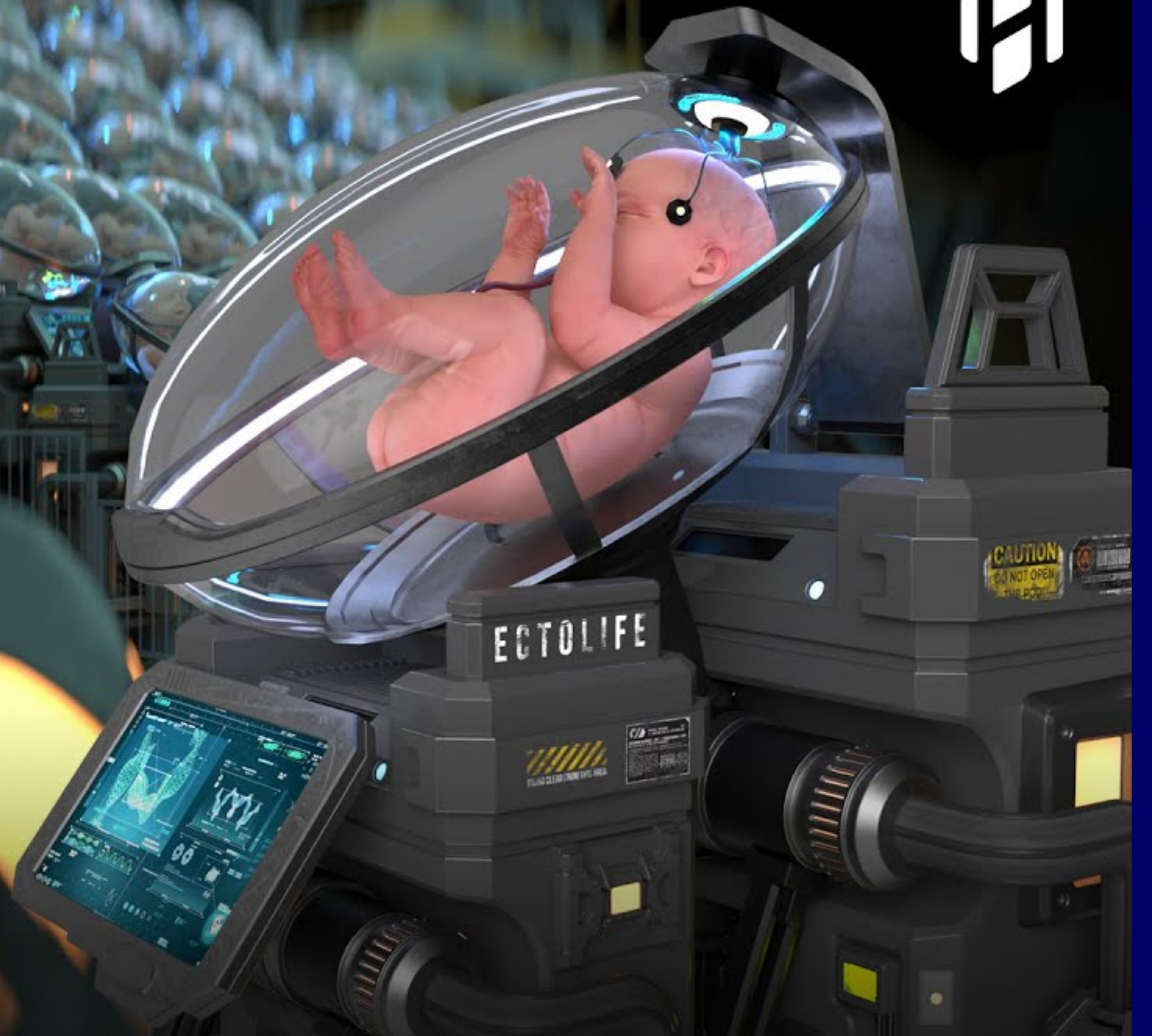
ECTOLIFE

ARTIFICIAL WOMBS

robots in hospitals - Google S   Ectolife artificial womb: World

economictimes.indiatimes.com/news/international/us/worlds-first-artificial-womb-facility-is-a-creepy-glimpse-of-pregnancy-in-future/articleshow/9...

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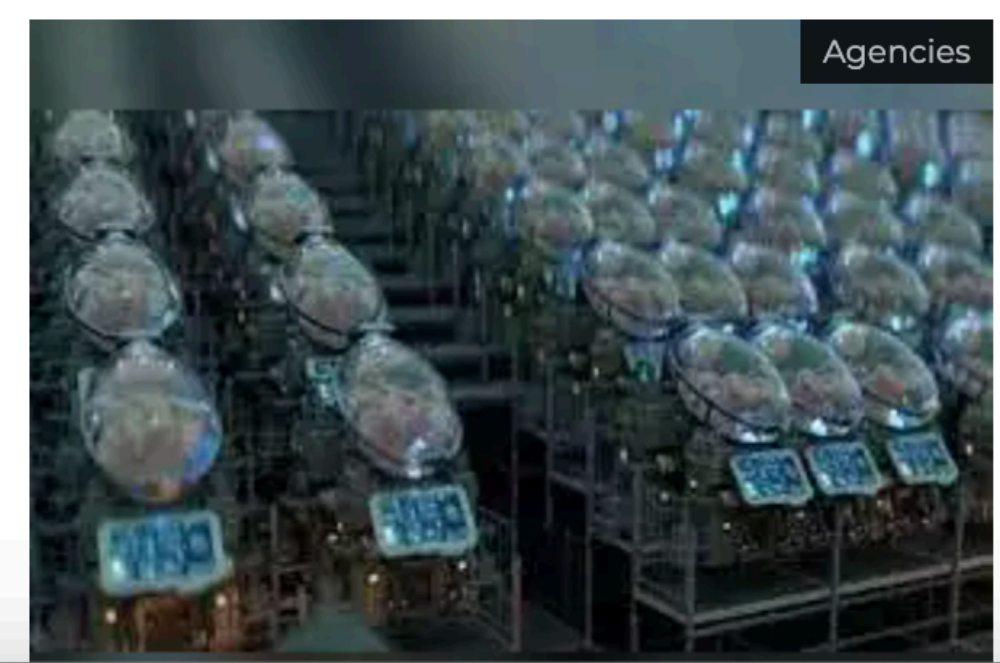
World's first artificial womb facility is a creepy glimpse of pregnancy in future, see what it is

ET Spotlight Special • Last Updated: 19 December, 2022 06:16 PM -6 GMT

SHARE   FONT SIZE   SAVE   PRINT   COMMENT

Synopsis

EctoLife, the brainchild of Hashem Al-Ghaili, will help infertile parents conceive babies and become true biological parents.

Agencies

Hashem Al-Ghaili's '**EctoLife**' can grow around 30,000 babies yearly because of extensive and groundbreaking scientific research of over 50 years. It is the brainchild of Hashem Al-Ghaili, who is a science communicator and biotechnologist from Berlin. His

Videos

ASIAD: INDIA SIG
RECORD 107 ME

Indian conti...
finishes with...
medals

Powered By VDO.AI

How to increase efficiency in the automotive industry

We see how *AI-technology* assists research in history, language translations, and analysis. Where will we find robots in our work as historians, ministers, teachers, retailers, etc?

Articles are written about *religion, AI, and emerging technology,* which is the first sign that it has become "mainstream". Remember, the Dartmouth Summer Research Project on Artificial Intelligence was in 1956!

How many of us even were aware at the time or even ten years or twenty years later?

To show you how mainstream this is becoming, look at the titles of these recent books on the topic. The ship has sailed, and the fleet is growing.

Artificial Intelligence and the Apocalyptic Imagination: Artificial Agency and Human Hope
Artificial Intelligence, Reincarnation, and Resurrection: An Inquiry into the Ultimate Fulfillment of Human Nature
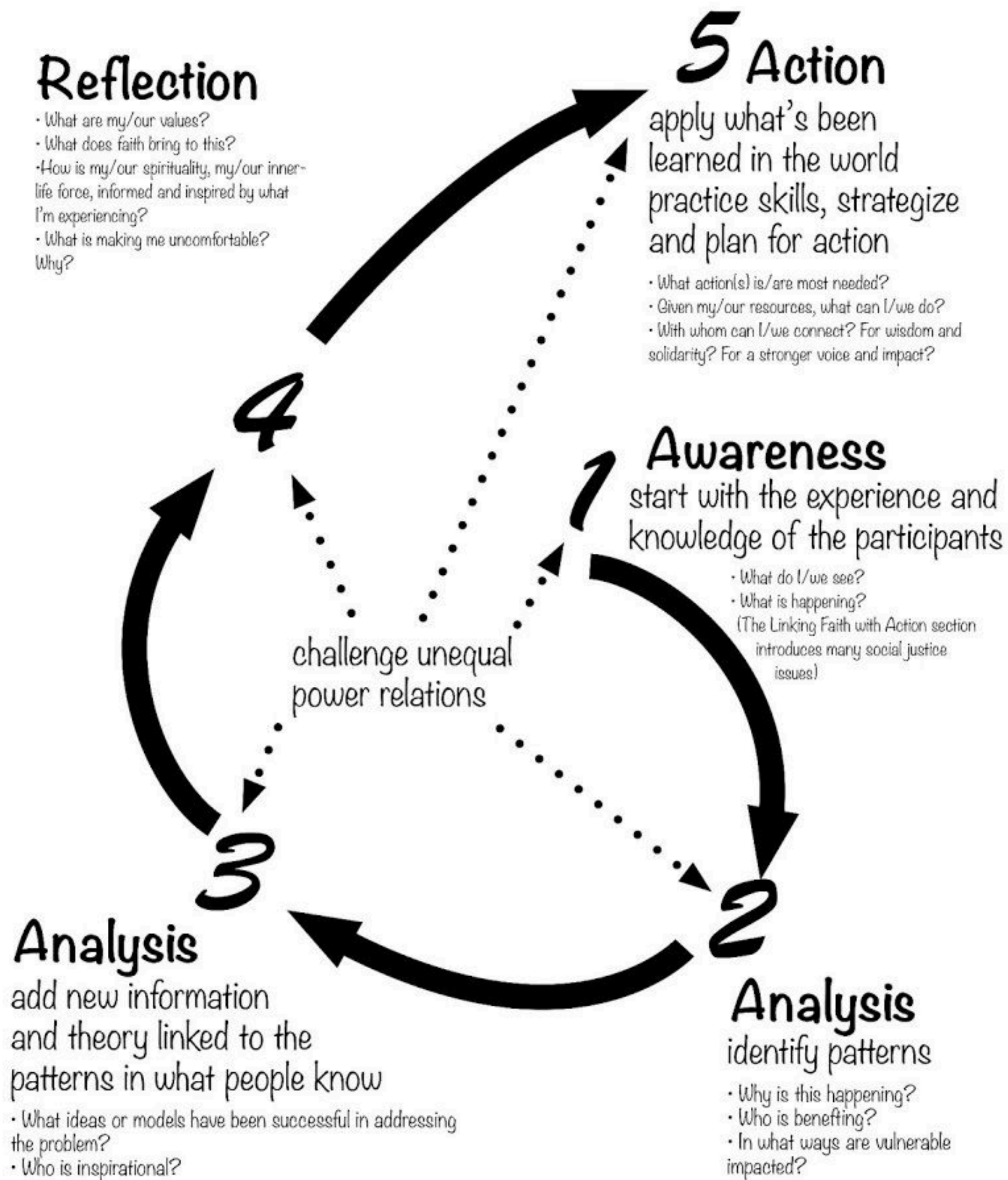*AI, Faith, and the Future:* An Interdisciplinary Approach
Staying Human: A Jewish Theology for the Age of Artificial Intelligence
Robot Theology: Old Questions through New Media

Techno-Sapiens in a Networked Era: Becoming Digital Neighbors
The Ethics of Superintelligent Design: A Christian View of the Theological and Moral Implications of Artificial Superintelligence
The Universe in the Image of Imago Dei: The Dialogue between Theology and Science as a Hermeneutics of the Human Condition

The See-Judge-Act method is a theological reflection method developed by Joseph Cardinal Cardijn. The method is based on St. Thomas Aquinas' intellectual approach to prudence and ethical virtue

Franciscan
Perspective

In 2035, Will we become a society that no longer determines one's self-worth to be based on your career, job, or what you do to earn a living?

Will our focus shift to *People, Planet, Education, and the Welfare of all Beings*?

Why your only job that matters is to be HUMAN.

Do we understand the Difference in Being Human and the Difference it makes?

"This world of ours is a new world, in which the unity of knowledge, the nature of human communities, the order of society, the order of ideas, the very notions of society and culture have changed and will not return to what they have been in the past." ~ Robert Oppenheimer, 1963

Seek, and ye shall find… Seek ye first the Kingdom of God… (Luke 12:22).

Thank You

Where I teach, and I do Zoom classes there too. Forever Learning Institute: <u>Forever Learning Institute</u>:/

Blog Post:

https://reflections.josephcardijn.com/

https://allthingscyberspace.com

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